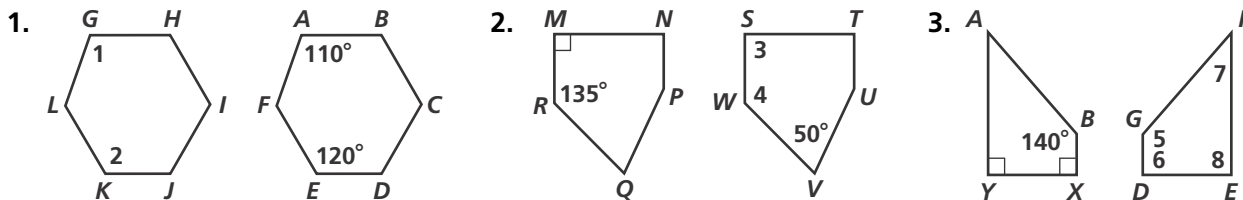


# Practice 4-1

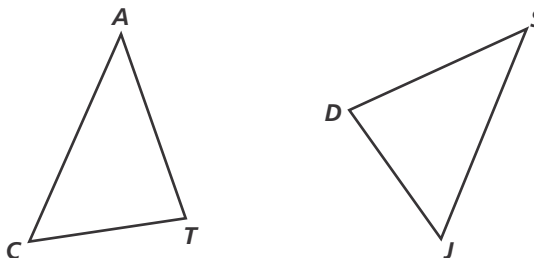
## Congruent Figures and Corresponding Parts

Each pair of polygons is congruent. Find the measures of the numbered angles.



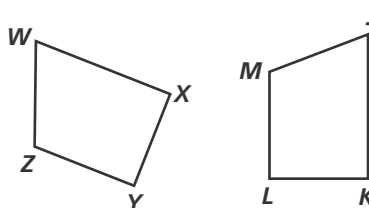
$\triangle CAT \cong \triangle JSD$ . List each of the following.

4. three pairs of congruent sides
5. three pairs of congruent angles



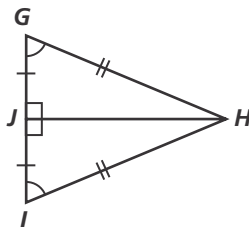
$WXYZ \cong JKLM$ . List each of the following.

6. four pairs of congruent sides
7. four pairs of congruent angles

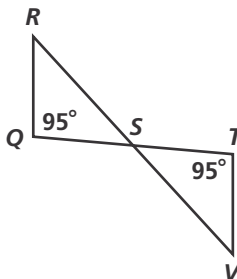


State whether the pairs of figures are congruent. Explain.

8.  $\triangle GHJ$  and  $\triangle IHJ$



9.  $\triangle QRS$  and  $\triangle TVS$



10. **Developing Proof** Use the information given in the diagram. Give a reason that each statement is true.

- a.  $\angle L \cong \angle Q$
- b.  $\angle LNM \cong \angle PNQ$
- c.  $\angle M \cong \angle P$
- d.  $\overline{LM} \cong \overline{QP}$ ,  $\overline{LN} \cong \overline{QN}$ ,  $\overline{MN} \cong \overline{PN}$
- e.  $\triangle LNM \cong \triangle QNP$

